

The Utah Division of The International Association for Identification is a chartered division of The International Association for Identification since 1989.

The Utah Division of I.A.I. Newsletter is published four times a year during the Spring, Summer, Fall, and Winter. The information contained within the newsletter is either in the form of submitted articles, information from other investigative publications, or reportive information.

The Utah Division of I.A.I. Newsletter will accept any article or information of those wishing to submit to the editor. It is requested the submitted articles or information be in typewritten form or on 3.5" disks using Wordperfect 5.01 or lower.

Please send items to be published to the editor:

Scott R. Spjut  
State Crime Lab  
4501 So. 2700 W.  
Salt Lake City, UT 84119

The Utah Division of I.A.I. Newsletter reserves the right to reject or modify any submitted articles deemed to be slanderous, derogatory, or inappropriate for the members of the association.

The annual membership dues to the Utah Division of I.A.I. are currently \$10.00 per membership, or \$200.00 for a lifetime membership. Dues can be mailed to:

**Utah Division of I.A.I.  
Ms. Deborah Herrera-Parkin  
Salt Lake Co. Sheriff's Office  
Identification Section  
437 South 200 East  
Salt Lake City, UT 84111**

### President's Message

With the end of the year fast approaching, I would like to thank all of you for your support as the Utah Division of I.A.I. 1994 President. This position has been one of growth for me, not only as a member of the division, but as a latent print examiner. The associations and new friends I have met this year are truly gratifying. I am grateful for the chance to get to know many of you better and share this past year with you.

I would like to express my sincere appreciation to the other officers who served this year. For Richard L. Wright, who served as Vice President; Barbara Crane, who served as treasurer; and for Art Terkelsen, who has served as the Division Secretary. Likewise, I would like to thank Jeff Itami, the past newsletter editor and division representative for all his contributions and input. Without the assistance of these fine individuals, this year would have been overwhelming, and probably impossible for the great meetings we have had. Thank you all for your help!

As most of you are aware, I made one last presidential appointment before my term has ended. I have appointed myself to be the new Newsletter Editor, that is until the next president impeaches me... I hope you will all feel comfortable in submitting items, articles, humorous antidotes and the like for publication. Please feel free to inform me with any additional criticisms or suggestions on how to make the

newsletter more informational to you. Otherwise you will be stuck with my input and ideas.

In closing I would again like to thank you for a great year. I hope you feel this division is helpful to you in your daily work within the law enforcement world.

Scott R. Spjut  
1994 President  
Utah Division of I.A.I.

### 1995 ELECTED OFFICERS

The following individuals were elected at the Fall 1994 meeting for serving in the Utah Division of I.A.I.

**1995 President: Alice Erickson**  
Utah B.C.I. AFIS Supervisor  
4501 South 2700 West  
Salt Lake City, Utah 84119

**1995 Vice President: Richard Wright**  
State of Utah Crime Lab  
4501 South 2700 West  
Salt Lake City, Utah 84119

**1995 Treasurer:**  
**Deborah Herrera-Parkin**  
Salt Lake County Sheriff's Office  
Identification Section  
437 South 200 East  
Salt Lake City, Utah 84111

**1995 Secretary: Art Terkelsen**  
State of Utah Crime Lab  
4501 South 2700 West  
Salt Lake City, Utah 84119

**1994 FALL MEETING  
OCTOBER 5, 1995  
DEE EVENTS CENTER  
OGDEN, UTAH**

The Utah Division of I.A.I. Fall Meeting was held on October 5, 1994 at the Dee Events Center in Ogden, Utah. The meeting was a great success for all of those in attendance. The main speaker was Ivan Futrell, Latent print Supervisor for the F.B.I. in Washington D.C. Ivan covered the topic of Courtroom Tactics and The Expert Witness. The information was quite up to date and useful for anyone who testifies in court. There were several handouts with the class. If you did not receive the handouts, contact Scott or Richard at the State Crime Lab 965-4501.

The business meeting covered areas of concern, particularly of the need to certify with the I.A.I. in Crime Scene Investigations and Latent Print Examinations. The elections were also held for the 1995 officers.

Lunch was provided by the division, and several door prizes were given away for those members in attendance. The meeting was a successful one, and many have commented how useful the instruction was to increase our knowledge of court testimony. We are quite grateful to Ivan for taking time out of his busy schedule to fly out to Utah and instruct us with his wisdom.

**1994 FALL MEETING  
CONTRIBUTORS FOR DOOR  
PRIZES**

Wasatch Photographic Inc.  
3-M Electronics Division  
See's Candies  
Video House  
Sirchie Fingerprint Labs  
Franklin Quest  
Bountiful Lumber & Supply  
Utah D.P.S. Crime Lab  
Criminal Research Products  
Lynn Peavey Company  
J & N Pawn Shop  
Videos Ect.  
Pro-Arms Police Equipment  
Fun Fever  
All American Quik Lube  
Utah Peace Officers Association  
Recreation Outlet  
The Family Store  
Strauss Police Equipment  
Apple Foodstores  
Hastings Videos & Books  
North Sea cafe  
Weber State University Bookstore  
Tom's Auto

The Utah Division of I.A.I would like to thank the many merchants who gave us so many door prizes for the 1994 Fall Meeting.

There are many small, not noticed differences between so called identical siblings. Twins and other children in multiple births are fascinating in ways. Examining them for similarities and dissimilarities can prove very interesting. The confusion created and other mixed up situations which may develop when they are together is only the beginning.

Genetics plays an important role in the general design of fingerprint pattern formation. There is no evidence that the arbitrary arrangement of the minutiae (ridge endings, bifurcations, and dots) within that pattern are at all affected by genetics. This ridge detail is formed arbitrarily by the organization of thousands of sweat pores and solidifying them into ridges. These resultant ridges do serve another purpose besides the identification of the possessor. Because of the design of the ridge-valley type of skin tissue, we have a relatively non-slip means of gripping with our hands and gaining traction with our feet. Hence the term friction skin. The sweat pores which form the ridges secrete a form of sweat that serves to moisten and keep the bottoms of the feet and the hands supple.

These ridges begin to form during the gestation period while the fetus is still in its mother's womb. These ridges, along with the subtle differences are formed and permanent when a child is born. They will remain the same as formed until destroyed by decomposition after death. The only change is when they grow larger as the child grows up and

they may be scarred from burns or accidents, or removed by amputation. Sometimes the individual sweat pores do not form lines and never develop into ridges, but into a non-recognizable pattern. This is permanent and they must be filed in a special area. This aberration is called dysplasia.

People may think that appearance is the only way they can tell from one twin to another. With twins who are labeled as identical this is particularly perplexing. While DNA coding is the same, and their physiology is similar for all practical purposes, the same. No two person will have the features of the ridges grouped in the same order. Nor will they have placement of these details, separated by the same number of intervening ridges between these details. No two areas of the same individual reflect the same minutiae.

While the organization of the pores into ridges forming patterns is directed by a genetic code. Where the ridge starts, stops, or splits into two is highly arbitrary and while overall appearances may look the same, a more detailed study will show that no two fingerprints, either from the same person or another individual will be an identical match. Who would be the most logical to have the same fingerprints if no a pair of so called identical twins. They share the same DNA coding and the same appearance. The same fingerprint classification code is found between twins, siblings who are not twins, their parents and even strangers. But it is the finite details in a person's hands and

International Association for Identification

UTAH                    DIVISION                    of    I.A.I.  
CHARTERED                    1989

MEMBERSHIP DIRECTORY  
1994

9424	ANGUS, Jennifer M. 4501 South 2700 West Salt Lake City, Utah 84119	Utah State Crime Lab (801) 964-4547
932	ARNOLD, Paul 17 South Main Street North Salt Lake City, Utah 84054	North Salt Lake City PD (801)
9423	BAZARNIK, Ted 4501 South 2700 West Salt Lake City, Utah 84119	Utah State Crime Lab (801) 964-4547
9327	BLOSSOM, Earnest 450 South 300 East Salt Lake City, UT 84111	Salt Lake County SO (801) 535-5955
9322	BROPHY, Shelley D. 99 So Main St (PO Box 700) Farmington, UT 84025	Adult Probation & Parole (Davis) (801) 451-5001
913	BURGON, H. Lynn 315 East 200 South * Salt Lake City, Utah 84111	Salt Lake City PD (801) 799-3734
893	CARRICK, Michael 1230 Hoyt Street Salem, Oregon 97302	Lightning Powder Company 1-800-852-0300
9324	CASSELLI, Cindy 1375 West 7000 South #70 West Jordan, Utah 84084	Student (801) 568-0219
883	COLBERT, Edward 4709 Delta Park Circle * West Valley, Utah 84120	Salt Lake County SO (IAI Member) (801) 535-5826
9316	COMSTOCK, Terry 10000 S. Centennial Pkwy Sandy, Utah 84070	Sandy City PD (801) 568-7200
9411	COWLEY, Kimberly 1401 28th Street	Student, WSU

	Ogden, Utah 84403	
884	CRANE, Barbara 4501 South 2700 West Salt Lake City, Utah 84119	Bureau of Criminal Identification (IAI Member) (801) 965-4569
931	CROW, Kenneth 6700 Lookout Road #7 Boulder, Colorado 80306	Southwestern Engineering
9325	DERYKE, Bud 140 East Center Street Clearfield, Utah 84015	Clearfield City PD  (801) 774-7249
885	DOWNARD, Bill PO Box 817 Castle Dale, Utah 84513	Emery County SO  (801) 381-2404
886	EKKER, Kyle 295 North Center Street Castle Dale, Utah 84513	Emery County SO  (801) 381-2404
9318	ERICKSON, Alice 4501 south 2700 West Salt Lake City, Utah 84119	Utah DPS BCI, AFIS Section  (801) 965-4569
15	FERREL, Scott 3750 Harrison Blvd Ogden, Utah 84408	Weber County Crime Scene Inv  (801) 394-5543
924	FIELDING, Kevin 800 West State Street * Farmington, Utah 84025	Davis County SO  (801) 292-4493
887	FIORENZA, Tom 328 White Oak Ridge Road Shorthills, New Jersey 07078	National Chapter IAI (IAI Member) (201) 621-4597
9412	FLAIG, Jennifer 5669 South 1150 West Ogden, Utah 84405	Student
9413	GASKILL, James H. 3750 Harrison Blvd Ogden, Utah 84408-1206	Criminal Justice Dept WSU  (801) 626-6148
9414	GRANDY, Trenton 785 East Elgin Ave Salt Lake City, Utah 84106	Student
9415	GRANT, Cynthia 257 East 200 South, Suite 1200 Salt Lake City, Utah 84111	Federal Bureau of Investigation

9320	GUEST, Joseph L. 315 East 200 South Salt Lake City, Utah 84111	Salt Lake City PD (IAI Member) (801) 799-3030
888	GUYMAN, Lamar PO Box 817 Castle Dale, Utah 84513	Emery County SO  (801) 381-2404
937	HERRERA-PARKIN, Deborah 3956 South Oliver Drive Salt Lake City, Utah 84124	Salt Lake County SO (IAI Member) (801) 272-2183
9314	HUNT, Gilbert 1776 North 3200 East Layton, Utah 84040	Layton City PD  (801) 546-1083
945	HUNT, Robert 800 West State Street Farmington, Utah 84025	Davis County SO  (801) 451-4178
896	ILLSLEY, Charles 12581 South 600 East Draper, Utah 84020	West Valley PD (IAI Member) (801) 572-5355
889	ITAMI, Jeff 1984 Kenington Avenue Salt Lake City, Utah 84108	Salt Lake County SO (IAI Member) (801) 535-5955
9310	JEWKES, Darren 4842 S. Townsend Way Kearns, Utah 84118	Utah State Crime Lab  (801) 963-9755
935	JOHN, Gary 1115 Albany Caldwell, Idaho 83605	Canyon County SO  (208) 454-7483
9416	KIDO, Karen 3914 Bills Drive West Valley City, Utah 84120	Student
9312	KING, Kerry PO Box 2251 Ogden, Utah 84412-2251	  (801) 621-5996
	KULKUS, Vicki 598 East 9400 South Sandy, Utah 84070	Sandy City PD  (801) 508-7200
9317	LARSON, Ronald 10000 S. Centennial Pkwy Sandy, Utah 84070	Sandy City PD  (801) 508-7200
9313	MACCONAGHY, Gabriella 5401 South 2700 West	Utah DPS BCI, AFIS Section (IAI Member)

	5094 South 2365 West Taylorsville, Utah 84118	(801) 969-0485
8813	SEVY, William 175 East 200 North St George, Utah 84770	St George PD (801) 634-5001
901	SHOOK, Edwin 81 North 200 East Price, Utah 84501	Price PD (IAI Member) (801) 637-1344
94	SMALL, B. J. 10000 S. Centennial Pkwy Sandy, Utah 84070	Sandy City PD (801) 508-7200
934	SMITH, Richard PO Box 2528 Idaho Falls, Idaho 83401	Argonne National Lab- West (208) 298-3877
899	SOMERS, Rick 112 West Lola Circle * Sandy, Utah 84070	Salt Lake County SO (801) 535-5955
923	SPJUT, Scott 4501 South 2700 West Salt Lake City, Utah 84119	Utah State Crime Lab (IAI Member) (801) 965-4501
9419	STAHOLI, Wendy 525 Park Blvd #151 Ogden, Utah 84401	Student
9410	STIMAC, Jon T 315 East 200 South Salt Lake City, Utah 84107	Salt Lake City PD
9421	STONES, William B. 6382 East 1900 North Eden, Utah 84310	Computer Graphics (801)
8814	TERKELSON, Arthur 2144 North 1930 West Clinton, Utah 84015	Northern Utah Crime Lab (IAI Member) (801) 776-2905
9422	THROCKMORTON, George 3750 Harrison Blvd Ogden, Utah 84408-2410	Weber County Crime Scene Inv (IAI Member) (801) 626-6593
926	THURGOOD, Don 3750 Harrison Blvd Ogden, Utah 84408-1206	Northern Utah Crime Lab (801) 626-6147
	WAGNER, Jeff 10000 S. Centennial Pkwy Sandy, Utah 84070	Sandy City PD (801) 508-7200



11	WILBERG, Leslie PO Box 817 Castle Dale, Utah 84513	Emery County SO (801) 381-2404
933	WILSON, Val 17 South Main Street North Salt Lake City, Utah 84054	North Salt Lake City PD (801) 298-3877
912	WRIGHT, Richard 4501 South 2700 West Salt Lake City, Utah 84119	Utah State Crime Lab (IAI Member) (801) 965-4501
9323	WEBER, Jeff PO Box 817 Castle Dale, Utah 84513	Emery County SO (801) 381-2404

\* Did not pay dues for the third year and will be dropped from the roster if dues are not paid next year